10/082309

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S MAP? AND NAVIGAT? AND (VEHICLE OR CAR OR AUTOMOBILE) AND (VOICE (2W) RECOGNI?) AND
>>>One or more prefixes are unsupported
>>>  or undefined in one or more files.
        397125  MAP?
        102377  NAVIGAT?
        367121  VEHICLE
        144494  CAR
        159423  AUTOMOBILE
         64817  VOICE
        419839  RECOGNI?
          1822  VOICE(2W)RECOGNI?
           116  PD=010423
   S1        0  MAP? AND NAVIGAT? AND (VEHICLE OR CAR OR AUTOMOBILE) AND
               (VOICE (2W) RECOGNI?) AND PD=010423
?
```

T S4/3,KWIC/1-5

4/3,KWIC/1   (Item 1 from file: 81)
DIALOG(R)File   81:MIRA - Motor Industry Research

56739
   Vehicle Electronics: VDO Presents Its Latest Developments
ARTELS M
ATZ, Feb 83
February 1, 1983
Page   : 77
Collation   : (4 p, 6 fig)

Document Type: JOURNAL   Language: GERMAN
Record Type: ABSTRACT
Supplier Record Type: AA

   Vehicle Electronics: VDO Presents Its Latest Developments

...and BMW including the latter's Service Interval display. It has also
developed an electronic navigation system, which uses terrestrial
magnetism, and a voice synthesizer, which is fitted to the Audi Quattro.
Voice   recognition . systems are being explored.

Other electronic devices being produced include truck speed governors, an
electronic...

   4/3,KWIC/2   (Item 2 from file: 81)
DIALOG(R)File   81:MIRA - Motor Industry Research

56123
   The Driver's Workstation (Driver Information Systems)
LDERSEY-WILLIAMS H
Design, Jul 83
August 1, 1983
Page   : 50
Collation   : (2 p, 10 fig)

Document Type: JOURNAL   Language: ENGLISH
Record Type: ABSTRACT
Supplier Record Type: AA

The range of display technologies now available for use on car dashboards
to keep the driver abreast of microprocessor functions includes
electroluminescent displays, light-emitting diodes...

...stored as sound fragments in the memory of a microprocessor. Further
developments under way are voice   recognition and, in the visual field,
the front-luminous vacuum fluorescent display (f l v d...

...displays such as those used in aircraft have met with little success in
cars, the map display is a likely proposition. A gyroscope and drive
sensors can measure and transmit vehicle direction and speed, but with
new satellite systems planned, satellite navigation has become an
increasingly probable alternative. (MR)

4/3,KWIC/3   (Item 3 from file: 81)
DIALOG(R)File 81:MIRA - Motor Industry Research
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49320
Radio-Linked VDU Expands Driving Information
COTT D
SAE J Automot Engng, Apr 85
April 1, 1985
Page   : 82
Collation   : (2 p, 2 fig)

Document Type: JOURNAL Language: ENGLISH
Record Type: ABSTRACT
Supplier Record Type: AA

Dialog is an in- car information system developed by Renault and presently
being operated on a trial basis in Brittany...

...retrieved by voice reports (or) screen displays. The system can also be
used for further navigation aid, automatic vehicle status and fault
diagnosis and touch-screen control of internal functions. Voice
recognition can also be used to operate minor vehicle controls in
addition to its function as a radio communication.
Dialog is to be available...

4/3,KWIC/4   (Item 1 from file: 95)
DIALOG(R)File 95:TEME-Technology & Management
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01412925 20000507949
**CPJazz-a software framework for vehicle systems integration and wireless
connectivity**
Jones, MT
Proceedings Academia/Industry Working Conference on Research Challenges
'00. Next Generation Enterprises: Virtual Organizations and
Mobile/Pervasive Technologies. AIWORC'00. (Cat. No.PR00628), 27-29 April
2000, Buffalo, NY, USA2000
Document type: Conference paper Language: English
Record type: Abstract
ISBN: 0-7695-0628-3

**CPJazz-a software framework for vehicle systems integration and wireless
connectivity**
2000

ABSTRACT:
...vehicles continues at a rapid pace. New technology includes not only
deeply embedded devices for vehicle systems management but also operator
interfaces, such as navigation systems, voice - recognition
/text-to-speech interfaces and integration of consumer electronic
appliances such as the personal digital...

...scalable component-based architecture. In this paper, the capabilities
and services provided by CPJazz for vehicle -based software integrators
are discussed, as well as the identification of key scenarios that
demonstrate its contributions to the vehicle and wireless environment.
DESCRIPTORS: AUTOMOBILE ELECTRONICS; CONSUMER ELECTRONICS; NOTEBOOK
COMPUTERS; SOFTWARE ARCHITECTURE; LANGUAGE RECOGNITION; SPEECH SYNTHESIS;

USER INTERFACES; WIRELESS LAN; NAVIGATION SYSTEMS; STANDARDISATION;
AUTOMOBILES
IDENTIFIERS: RECHNERUNTERSTUETZTE NAVIGATION ; EINGEBETTETES SYSTEM;
PERSOENLICHER DIGITALER ASSISTENT; Kraftfahrzeugelektronik;
Unterhaltungselektronik

   4/3,KWIC/5   **(Item 2 from file: 95)**
DIALOG(R)File 95:TEME-Technology & Management
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A†   00508569 I91084131938
  Voice control of remote stereoscopic systems
  (Sprachsteuerung eines entfernten stereoskopischen Systems)
  Philips, ML
  Adv. Resource Dev. Corp., Columbia, MD, USA
  SOUTHEASTCON '90. Proceedings, 1-4 April 1990, New Orleans, LA, USA1990
  Document type: Conference paper Language: English
  Record type: Abstract

   1990

  ABSTRACT:
  The voice control of a stereoscopic system for control of a remote vehicle
   is discussed. Voice control was accomplished by the integration of a Votan
   voice recognition system into the main stream of the control circuitry.
  The camera platform, display console, and...

  ...this feature was the reduction of the number of personnel required to
  control the remote vehicle by freeing the hands of at least one operator.
  IDENTIFIERS: COMPUTERISED NAVIGATION ; MILITARY SYSTEMS; VOICE EQUIPMENT;
  MOBILE ROBOT; AUTONOMOUS VEHICLE ; US ARMY; REMOTE STEREOSCOPIC SYSTEMS;
  REMOTE VEHICLE ; VOTAN VOICE   RECOGNITION ; CAMERA PLATFORM; DISPLAY
  CONSOLE; Fahrzeugfernsteuerung; Spracheingabe
  ?

```
Set       Items    Description
S1          0      MAP? AND NAVIGAT? AND (VEHICLE OR CAR OR AUTOMOBILE) AND (-
                   VOICE (2W) RECOGNI?) AND PD=010423
S2          0      (VOICE (2W) RECOGNI?) AND PD=010423 AND (VEHICLE OR CAR OR
                   AUTOMOBILE)
S3         18      (VOICE (2W) RECOGNI?) AND PD<=010423 AND (VEHICLE OR CAR OR
                   AUTOMOBILE)
S4          5      S3 AND (MAP? OR NAVIGAT?)
S5         13      S3 NOT S4
S6         13      RD  (unique items)
?
```

T S6/3,KWIC/1-13

6/3,KWIC/1   (Item 1 from file: 81)
DIALOG(R)File   81:MIRA - Motor Industry Research
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66905
  Speech Control Systems in Vehicles: Possibilities and Restrictions
FAERBER B; POPP MM
Corporate Source: Munchen-Neubiberg Bundeswehr Univ; TubingenUniv
ISATA 89. Proceedings, Vol II, Paper 89110
May 29, 1989
Page   : 1211
Collation   : (7 p, 3 fig, 2 ref)

Document Type: JOURNAL
Record Type: ABSTRACT
Supplier Record Type: AA

...manual controls may distract him from his primary task, that is handling
and manoeuvring the car . Thirdly, manual control of devices like route
guidance systems is very inconvenient. Finally, the fact that voice
recognition systems are developed in laboratories all over the world
cannot be ignored and, as history...

6/3,KWIC/2   (Item 2 from file: 81)
DIALOG(R)File   81:MIRA - Motor Industry Research
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63942
  Voice-Activated Controls in an Automotive Environment
GERSON I; MIKULSKI J
Corporate Source: Motorola Inc
ISATA 88. Proceedings, Vol 1, Paper 88066
May 30, 1988
Collation   : (13 p, 6 fig)

Document Type: JOURNAL
Record Type: ABSTRACT
Supplier Record Type: AA

...a driver's eyes and hands are typically occupied with the safe operation
of the vehicle .

The major technical difficulty with operating in the automotive environment
is the high ambient noise condition that must be tolerated by the voice
recognition system.

This paper describes techniques which have been developed to tolerate the
high noise conditions...

6/3,KWIC/3   (Item 3 from file: 81)
DIALOG(R)File   81:MIRA - Motor Industry Research
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56738
  Voice Control Joins Advancing Speech Synthesis
SCOTT D; et al

SAE J Automot Engng, Feb 83
May 1, 1983
Page   : 75
Collation   : (4 p, 6 fig)

Document Type: JOURNAL   Language: ENGLISH
Record Type: ABSTRACT
Supplier Record Type: AA

Smiths Industries are developing a voice   recognition unit for cars to
enable a driver to interrogate the on-board microcomputer or instruct...

...memory in the megabyte region. Smiths reports that conversation or a
radio playing in the car are not problems, and misread commands are
exceptional.

Renault is working on a similar system...
...synthesizer on the 4 x 4 Quattro as the first European application on a
production car , now followed by the Maestro top-range models. (PC)

   6/3,KWIC/4   (Item 4 from file: 81)
DIALOG(R)File 81:MIRA - Motor Industry Research
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54776
   A New Approach to Driving: The 'Listening' Car
OUZE RC
Auto-Volt, Sep 83
September 1, 1983
Page   : 35
Collation   : (4 p, 7 fig)

Document Type: JOURNAL   Language: FRENCH
Record Type: ABSTRACT
Supplier Record Type: AA

   A New Approach to Driving: The 'Listening' Car

The first step in the development of a voice   recognition system is the
same as that employed in speech synthesis, ie the individual parts of...

...detailed.

Since the voice patterns of one person only will correspond to the recorded
data, voice   recognition provides a highly effective anti-theft
facility. The objective of the 'listening' car is not, however, solely
concerned with the prevention of theft, it is thought that less...

   6/3,KWIC/5   (Item 5 from file: 81)
DIALOG(R)File 81:MIRA - Motor Industry Research
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53939
   The Speaking Car
OUZE RC
Auto-Volt, Nov 83
November 1, 1983
Page   : 51

Collation : (7 p, 12 fig)

Document Type: JOURNAL Language: FRENCH
Record Type: ABSTRACT
Supplier Record Type: AA

The Speaking Car

Voice recognition and synthesis in cars are providing the basis for a
new approach to the prevention...

6/3,KWIC/6 (Item 6 from file: 81)
DIALOG(R)File 81:MIRA - Motor Industry Research

49818
Safety Aspects of Cellular Telephones in Automobiles
ZWAHLEN HT; ADAMS CC; SCHWARTZ PJ
Corporate Source: Ohio Univ
ISATA 88. Proceedings, Vol 1, Paper 88058
May 30, 1988
Collation : (18 p, 11 fig, 4 ref)

Document Type: JOURNAL
Record Type: ABSTRACT
Supplier Record Type: AA

...a cellular telephone under four different experimental conditions
(telephone mounted in a high position inside car , telephone mounted in a
low position inside car , driver not permitted to look at roadway while
dialling the cellular phone, driver permitted to...

...of 200 runs per study. The drivers were to align the longitudinal
centreline of the vehicle with the centreline of the runway and drive in
the straightest path possible while dialling...
...top portion of the dashboard face) or in the low position (keypad
horizontal on the car seat). The telephone number (11 digits) was read
from a piece of paper located near...

...In the other half of the runs, the drivers were permitted to look
outside the vehicle at the runway as often as they considered it
necessary in order to maintain a close lateral position of the vehicle
along the runway centreline. A device which dripped liquid dye, attached to
the centre of the rear bumper of the car to indicate its path, allowed
the lateral path deviations from the longitudinal centreline of the car
to the centreline of the runway to be measured every 15 feet for a distance
...

...to prevent the use of the phones on bends and/or in heavy traffic, or
voice recognition input devices, need to be investigated in order to
afford safer and more efficient cellular...

6/3,KWIC/7 (Item 7 from file: 81)
DIALOG(R)File 81:MIRA - Motor Industry Research

45763
Commercial Vehicle Electronics - A North American Perspective

STANLEY DP
Corporate Source: Navistar Internat Transpn Corp
ISATA 87: 16th International Symposium on Automotive Technology and
Automation. Proceedings, Vol 3: Paper 87003
September 1, 1987
Page   : 37
Collation   : (8 p, 1 fig)

Document Type: JOURNAL
Record Type: ABSTRACT
Supplier Record Type: AA

Commercial Vehicle Electronics - A North American Perspective

...Reliability and durability of systems will require considerable
improvement in individual components. Finally, consideration of vehicle
safety using electronics in, for example, anti-jack-knife control, voice
recognition and radar collision warning systems is examined. (GW)

6/3,KWIC/8   (Item 1 from file: 95)

01114096 I97060237261
Mind your language (voice processing and recognition)
Emmerson, B; Warwick, M
Communications International, v24, n5, pp8-10, 12, 14, 1997
Document type: journal article Language: English
Record type: Abstract
ISSN: 0305-2109

Mind your language (voice processing and recognition)
1997

ABSTRACT:
Voice processing and voice recognition technologies have been more than
a century getting out of the laboratory and into the...

...in memory. Up to ten numbers can be tagged and the main application is
in- car use. The Nortel phone adds hands-free operation. A sensor converts
to normal mode when...
IDENTIFIERS: VOICE PROCESSING; VOICE   RECOGNITION ; BUSINESS
APPLICATIONS; NORTEL; VOICE ACTIVATED DIALLING; GSM PHONES; VOICE TAG; IN
CAR USE; HANDS FREE OPERATION; AUTOTELEFON; Spracherkennung; Mobilfunk;
Autotelefon; schnurloses Telefon

6/3,KWIC/9   (Item 2 from file: 95)

01096390 E97050167243
Spracherkennung in der Mobiltelefonie
(Voice recognition in mobile telephony)
Sicker, M
Brite Voice Syst., Dietlikon, CH
ComTec, v75, n4, pp42-45, 1997
.Document type: journal article Language: German
Record type: Abstract

ISSN: 1420-3715

(Voice   recognition in mobile telephony)
 1997
...DESCRIPTORS: CUSTOMER SERVICE; MOBILE RADIO SERVICE; TELEPHONE NETWORKS;
SERVICE; TELEPHONE EXCHANGES; TELEPHONE ENGINEERING; DATA BANK; SAFETY;
AUTOMOBILE ELECTRONICS; DATABASE MANAGEMENT SYSTEM; ACCESS CONTROL;
CONTROL PANELS; DATA INPUT; MARKET; CODES

   6/3,KWIC/10   (Item 3 from file: 95)
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01039434 E96116788021
 Voice activated command for automotive applications
(Sprachgesteuerte Kommandos fuer Fahrzeug-Anwendungen)
Birmingham, K
DSP Communications, Cupertino, USA
AVIOS 95, the 14th Annual Internat. Voice Technol. Applications Conf.,
Proc., San Jose, USA, Sep 12-14, 19951995
Document type: Conference paper Language: English
Record type: Abstract

 1995

ABSTRACT:
...The application specific DSP discussed here, the D6106 advanced voice
command processor, supports high performance voice recognition for
noisy environments. Implemented in the DSP core are algorithms for speech
recognition, compression, and...

...system for automobiles implementing DSP communication's D6106 chip. The
design achieves both high performance voice recognition and prompt
synthesis. Recognition rates exceed 97 % even in noisy environments.
Improving overall system performance...
DESCRIPTORS: DIGITAL SIGNAL PROCESSORS; DIGITAL SIGNALS; SPEECH PROCESSING;
LANGUAGE RECOGNITION; HIGHWAY VEHICLES; MOTOR VEHICLES; AUTOMOBILE
ELECTRONICS; AIRBORNE COMPUTERS; GRAND SCALE INTEGRATION; CHIPS...

   6/3,KWIC/11   (Item 4 from file: 95)
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00905425 E95086006006
 DSP solutions for automotive voice recognition
(DSP-Loesungen fuer die Spracherkennung im Kraftfahrzeug)
Bayle, SD
AT&T Microelectronics
Leading Change: The Transportation Electronic Revolution, Proc. of the 1994
Int. Congress on Transportation Electronics, Dearborn, USA, Oct 17-19, 1994
1994
Document type: Conference paper Language: English
Record type: Abstract
ISBN: 0-7803-2421-8

 DSP solutions for automotive voice   recognition
 1994

ABSTRACT:
...to the point that it has been integrated into several consumer products.
The addition of voice recognition to an automobile faces numerous
challenges that must be addressed from the perspective of a typical user.
The voice recognition unit must function to high accuracy in high
background noise environments, and must be made...
...complementary functions within one device to minimize total system cost.
These functions include: Speaker Independent Voice Recognition , Speaker
Trained Voice Recognition , Adaptive Noise Cancellation, Voice Response,
and possibly signal processing for vehicle mounted cellular phones and
audio systems. Enabling this integration is the advent of Digital Signal...
DESCRIPTORS: AUTOMOBILE ELECTRICS; LANGUAGE RECOGNITION; SPEECH SIGNAL;
SPEECH PROCESSING; DIGITAL SIGNAL PROCESSORS; CHIPS...

   6/3,KWIC/12   (Item 5 from file: 95)
DIALOG(R)File 95:TEME-Technology & Management
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00733637 M93120084610
 Voice recognition by neural network under tractor noise
(Spracherkennung durch ein neuronales Netz bei Traktorgeraeuschen)
Sato, K; Hoki, M; Salokhe, VM
Univ. Mie, J; Asian Inst. of Technol., Bangkok, Thailand
Transactions of the ASAE, v36, n4, pp1223-1227, 1993
Document type: journal article Language: English
Record type: Abstract
ISSN: 0001-2351

   Voice   recognition by neural network under tractor noise
   1993
DESCRIPTORS: AGRICULTURAL TRACTORS; AUTOMATISATION; PERFORMANCE RELIABILITY
; ARTIFICIAL NEURAL NETWORKS; VEHICLE NOISE; LANGUAGE RECOGNITION; SPEECH
INPUT

   6/3,KWIC/13   (Item 6 from file: 95)
DIALOG(R)File 95:TEME-Technology & Management
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00718460 E93093939062
 Tactical voice input/output devices
(Taktische Spracheingabe/-ausgabegeraete)
Ruppe, D; Tirabassi, B
CECOM Ft. Monmouth, USA; Tech. Evaluation Res., Little Silver, USA
MILCOM '92, Communications - Fusing Command, Control and Intelligence, IEEE
Military Communications Conf., Conf. Record, Vol. 2, San Diego, CA, USA,
11-14 Oct. 19921992
Document type: Conference paper Language: English
Record type: Abstract
ISBN: 0-7803-0586-8

   1992

ABSTRACT:
...the soldier's interface with the automated C2 systems when on-the-move
in a vehicle aircraft, or on foot. Voice commands also provide an
efficient supplement to traditional input and...

...in three critical technology areas: 1) Input and Output appliances that

offer noise immunity, 2) Voice recognition and speech synthesis
accuracy, and 3) Command and control vocabulary development and application
dependencies.
?